

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet _____ of _____

<p>Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.</p> <p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p> <p>Sheet 1 of 2</p>		<p>Complete If Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">10/075,434</td> </tr> <tr> <td>Filing Date</td> <td>February 14, 2002</td> </tr> <tr> <td>First Named Inventor</td> <td>Laiho</td> </tr> <tr> <td>Group Art Unit</td> <td>2681 2666</td> </tr> <tr> <td>Examiner Name</td> <td>n/a</td> </tr> <tr> <td>Attorney Docket Number</td> <td>04770.000041</td> </tr> </table> <p style="text-align: right;">RECEIVED</p> <p style="text-align: right;">MAY 06 2002</p>		Application Number	10/075,434	Filing Date	February 14, 2002	First Named Inventor	Laiho	Group Art Unit	2681 2666	Examiner Name	n/a	Attorney Docket Number	04770.000041
Application Number	10/075,434														
Filing Date	February 14, 2002														
First Named Inventor	Laiho														
Group Art Unit	2681 2666														
Examiner Name	n/a														
Attorney Docket Number	04770.000041														

Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner Signature	DANVH 2011	Date Considered	11/22/04
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheef

2 of 2

Complete if Known

Application Number 10/075 434

Application Number: 10/616,161
Filing Date: February 14, 2003

Filing Date February 14, 2002

First Named Inventor Laino

Group Art Unit **2681**

Examiner Name | n/a

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MAY 06 2002

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Signature	2007/102 201V	Date Considered	11/22/04
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/08B(10-01)

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number	10/075,434
Filing Date	02/14/02
First Named Inventor	Laiho
Group Art Unit	2681 2606 MAY 01 2003
Examiner Name	TBD Tech
Attorney Docket Number	004770.00041 Technology Center 2600

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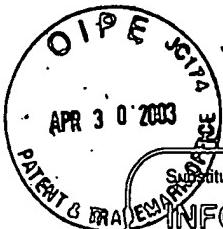
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
T.D		Digital Video Broadcasting (DVB); DVB specification for Data Broadcasting, European Broadcasting Union, EN 301 192 V1.2.1 (1999-06)	
T.D		Apostolis K. Salkintzis et al. "Performance Analysis of a Downlink Mac Protocol with Power-Saving Support", IEEE Transactions on Vehicular Technology, Vol. 49, No. 3, May 2000, pages 1029-1040	
T.D		Apostolis K. Salkintzis et al. "An In-Band Power-Saving Protocol for Mobile Data Networks" IEEE Transactions on Communications, Vol. 46, No. 9, Sept. 1998, pgs. 1194-1205.	
T.D		Draft Report of the 52 nd Meeting of DVB GBS, EBU Headquarters, Geneva, June 25 th /27 th 2002. pages 1-12.	

Examiner Signature	DAYL, 2012	Date Considered	11/22/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1 of 2

<i>Complete If Known</i>	
Application Number	10/075,434
Filing Date	02/14/02
First Named Inventor	Laiho
Group Art Unit	2661 2666
Examiner Name	TBD DANG TON
Attorney Docket Number	004770.00041

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Signature	D. M. G., DPM	Date Considered	11/22/04
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Information Disclosure Statement
Serial No. 10/075,434



Sheet 1 of 1

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 004770.00041	SERIAL NUMBER 10/075,434
	APPLICANT Kimmo Laiho	
	FILING DATE February 14, 2002	GROUP ART UNIT 208T 2666

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
T-D	2003/0067943 A1	4/10/03	Arsenault et al.	—	—	
F-H	6,490,727	12/3/02	Nazarathy et al.	—	—	
F-H	6,356,555	3/12/02	Rakib et al.	—	—	
F-H	6,335,766	1/1/02	Twitchell et al.	—	—	
F-H	6,285,686	9/4/01	Sharma	—	—	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Search Report

EXAMINER DAVIES, DON	DATE CONSIDERED 11/22/04
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IDS w/1449 form filed: July 15, 2003

Information Disclosure Statement
Serial No. 10/075,434



Sheet 1 of 1

PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 004770.00041	SERIAL NUMBER 10/075,434
	APPLICANT Kimmo Laiho	
	FILING DATE February 14, 2002	GROUP ART UNIT 268+ 2666

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
F-D	2002/0025777 A1	2/28/02	Kawamata et al.	—	—	RECEIVED
↑	6,167,248	12/26/00	Hamalainen et al.	—	—	JUL 25 2003
	6,088,412	7/11/00	Ott	—	—	Technology Center 2600
	6,047,181	4/4/00	Suonvieri	—	—	
↓	5,870,675	2/9/99	Tuutijärvi et al.	—	—	
F-D	5,513,246	4/30/96	Jonsson et al.	—	—	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

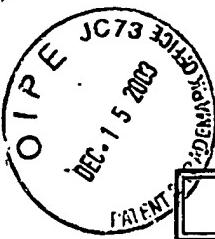
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Search Report

EXAMINER	DANG DON	DATE CONSIDERED	11/22/04
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Include copy of this form with next communication to applicant.

IDS w/1449 form filed: July 24, 2003



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	CLOCK-BASED TIME SLICING
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Application Number: 10/075434

Confirmation Number: 8728

First Named Applicant: Kimmo Laiho

Attorney Docket Number: 004770.00041

Art Unit: 2683 2666

Examiner: Mr. Gongvan Tran DANG PW

Search string: (5671253 or 6069901 or 6549592 or
20020122465).pn.

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Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
T-1	1	5671253	1997-09-23	Stewart		375	316
T-2	2	6069901	2000-05-30	Hulyalkar, et al		370	509
T-3	3	6549592	2003-04-15	Jones		375	354

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Dat	Applicant	Kind	Class	Subclass
T-1	1	20020122465	2002-09-05	Agee, et al		375	141



Signature

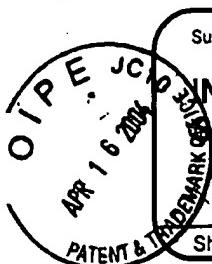
Examiner Name	Date
DANG, RON	11/22/04

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Substitute for form 1449A/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/075,434
		Filing Date	February 14, 2002
		First Named Inventor	Laiho
		Group Art Unit	2684 2666
		Examiner Name	Gongvan-Fran DANY, ION
Sheet	2	of	2
		Attorney Docket Number	04770.00041

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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Examiner Signature	DANG, TON	Date Considered	11/22/04
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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/075,434
(use as many sheets as necessary)		Filing Date	February 14, 2002
		First Named Inventor	Kimmo Laiho, et al
		Group Art Unit	288T 2666
		Examiner Name	Gongyan-Trem O A N G P Y U
Sheet	1	of	2
		Attorney Docket Number	04770.00041



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

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FOREIGN PATENT DOCUMENTS

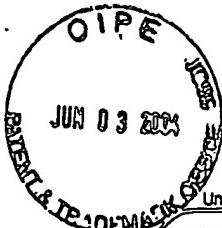
Examiner Signature	DRIVER, TOM	Date Considered	11/24/04
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⁴ Applicant's unique citation designation number (optional). See RIS Codes of USPTO Patent Documents at [http://www.uspto.gov/patent/docid.htm](#).
⁵ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁷ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁸ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08a (05-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Complete If Known

Application Number	10/075,434
Filing Date	February 14, 2002
First Named Inventor	Kimmo Laiho et al.
Art Unit	2663-2666
Examiner Name	TBD DANG TORI
Attorney Docket Number	004770.00041

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
T.D		US-5,936,965	8/10/99	Doshi et al.	- -
T.D		US- 5,764,700	6/09/98	Makinen	- -
T.D		US- 5,359,607	10/25/94	Nguyen et al.	- -
T.D		US- 4,601,586	7/22/86	Bahr et al.	- -
		US-			JUN 08 2004
		US-			
		US-			Technology Center 2000

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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
T.D		Written Opinion from PCT/IB03/00694 dated May 3, 2004			

Examiner Signature	DANG TORI	Date Considered	11/12/04
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.



USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 004770.00041	Serial No. 10/075,434			
INFORMATION DISCLOSURE CITATION Sheet 1 of 1		Applicant(s): Kimmo Laiho et al.				
		Filing Date: February 14, 2002	Group: 2666			
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
T.P.	6,266,536	7/24/01	Janky	—	—	
↑	5,970,059	10/19/99	Ahopelto et al.	—	—	
↓	5,936,965	8/10/99	Doshi et al.	—	—	
↓	5,764,700	6/9/98	Mäkinen	—	—	RECEIVED
↓	5,513,246	4/30/96	Jonsson et al.	—	—	JUL 07 2004
↓	4,601,586	7/22/86	Bahr et al.	—	—	Technology Center 2600
FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation
						YES
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)						
EXAMINER <i>D ANG JUNI</i>				DATE CONSIDERED <i>11/22/04</i>		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/075,434
		Filing Date	February 14, 2002
		First Named Inventor	Laiho
		Group Art Unit	2601 2666
		Examiner Name	Patricia D. Young
		Attorney Docket Number	04770.00041

Examiner Signature	DAVIS DNR	Date Considered	11/22/04
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³Applicant's unique citation designation number (optional). See RINUS Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04.
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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of

Complete if Known

Application Number	10/075,434
Filing Date	February 14, 2002
First Named Inventor	Laiho
Group Art Unit	2681
Examiner Name	n/a
Attorney Docket Number	04770.00041

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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Examiner Signature	OPAN/DRM	Date Considered	11/22/04
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